Setup Guide — IN3254

This guide provides basic instructions for an experienced installer to set up and operate the Extron® IN3254 Distribution Amplifier (DA).

IMPORTANT: Refer to www.extron.com for the user manual and installation instructions before connecting the product to the power supply.

CAUTION *Installation and service must be performed by authorized personnel only.*

Step 1 — Turn off the DA and input/output devices

Turn the input and output devices off and unplug their power cords. Verify that the DA is disconnected from the power source before proceeding.

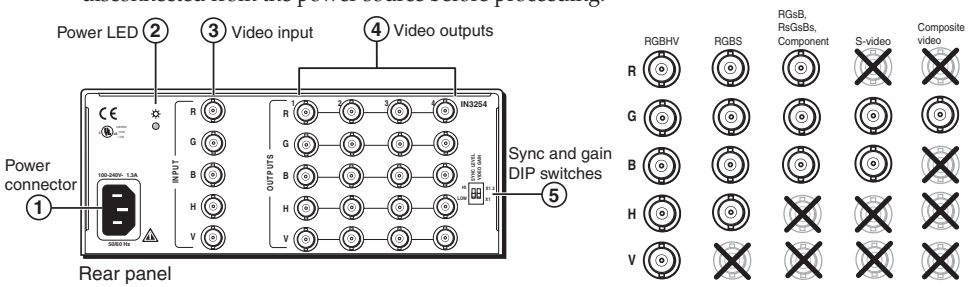


Figure 1 – IN3254 connectors/controls and connection diagram

Step 2 — Attach input cables

Connect an RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, or composite video device to these BNC connectors (3). See figure 1 for information on how to cable the BNC connectors.

Step 3 — Attach output cables

Connect up to four RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, high resolution monochrome video, or composite video output devices, such as projectors or monitors, to these BNC connectors (4). See figure 1 for information on how to cable the BNC connectors.

Step 4 — Power on DA, input/output devices, and check for picture

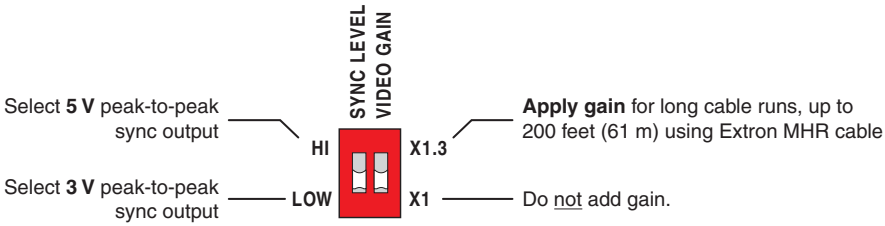
Plug the external power supply cord into the power connector (1). When power is applied to the unit, the front and rear panel LEDs (2) light.

Connect the power cords and turn on the input and output devices. The picture should appear on the video displays.

NOTE *The output signal(s) must match the input signal. If the picture does not appear, check that the BNCs for the output(s) and input are connected with an identical signal.*

Step 5 — Adjust video gain and sync level

Use the sync and gain DIP switches (5) to select either high or low video gain and sync level. Adjust video gain while viewing the displayed image to set the level that provides the best picture quality.


SYNC LEVEL
VIDEO GAIN
Select 5 V peak-to-peak sync output
HI
X1.3
Apply gain for long cable runs, up to 200 feet (61 m) using Extron MHR cable
Select 3 V peak-to-peak sync output
LOW
X1
Do not add gain.

Step 6 — Mount the DA

If necessary, mount the line driver. Make any cabling adjustments before mounting the line driver, as the cables may be inaccessible afterwards.

The DA can be mounted using an optional Extron 2U universal rack shelf (part number 60-032-01) as follows:

a. Remove the rubber feet if they were previously installed on the bottom of the unit.

b. Place the DA on one side of the rack shelf. Align the front of the DA with the front of the shelf and align the threaded holes on the bottom of the DA with the holes in the rack shelf.

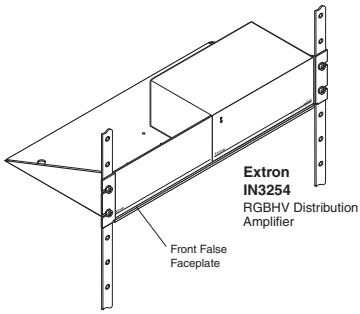


Figure 2 – Rack shelf mount

c. Secure the DA to the rack shelf with the two provided 4-40 x 3/16 inch machine screws. Insert the screws from the underside of the shelf and securely fasten them through diagonally opposite corners.

d. Fasten the false front panel (provided with the rack shelf) to the unoccupied side of the rack (as shown in figure 2), or install a second half-rack-width device on that side by repeating steps **a** through **c**.

e. Secure the rack shelf to the rack using four 10-32 x 3/4 inch bolts. Insert the bolts through #10 beveled washers, then through the holes in the mounting brackets.

Troubleshooting

If the image does not appear or is not displayed properly

- Make sure that all of the devices are powered on.
- Make sure that each device is receiving power. The front and rear panel LEDs on the DA should be lit.
- Check the cabling and make adjustments as needed.
- Check the manuals of the input and output devices or contact Extron to determine if there are special requirements to output video to the external video port.

If problems persist, contact the Extron S3 Sales and Technical Support Hotline.

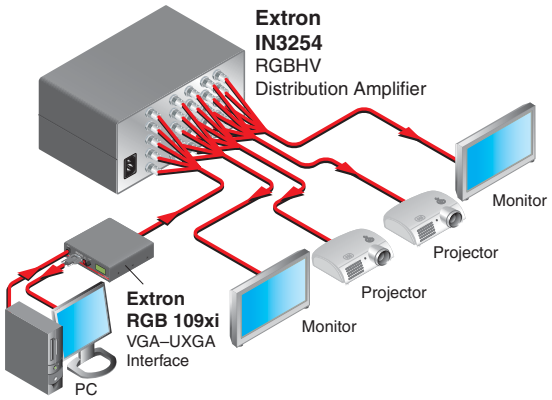


Figure 3 – Example of a typical IN3254 application

Extron **USA - West** Headquarters
+800.633.9876 Inside USA / Canada Only
+1.714.491.1500
+1.714.491.1517 FAX

Extron **USA - East**
+800.633.9876 Inside USA / Canada Only
+1.919.863.1794
+1.919.863.1797 FAX

Extron **Europe**
+800.3987.6673 Inside Europe Only
+31.33.453.4040
+31.33.453.4050 FAX

Extron **Asia**
+800.7339.8766 Inside Asia Only
+65.6383.4400
+65.6383.4664 FAX

Extron **Japan**
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron **China**
+400.883.1568 Inside China Only
+86.21.3760.1568
+86.21.3760.1566 FAX

Extron **Middle East**
+971.4.2991800
+971.4.2991880 FAX

68-1015-50
Rev. B
03 10

© 2010 Extron Electronics. All rights reserved.